

REGION: 04
STATE: GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 25
RUN DATE: 08/03/87
RUN TIME: 19:48:05

M.2 - SITE MAINTENANCE FORM

EPA ID : GAD991275140

SITE NAME: CHLORIDE AUTOMOTIVE BATTERIES SATELITE SOURCE: H

STREET : JOY ROAD CONG DIST: 03

CITY : COLUMBUS ZIP: 31903

CNTY NAME: MUSCOGEE CNTY CODE : 215

LATITUDE : 32/26/12.0 LONGITUDE : 084/55/56.0

LL-SOURCE: R LL-ACCURACY:

SMSA : 1800 HYDRO UNIT: 03130003

INVENTORY IND: Y REMEDIAL IND: Y REMOVAL IND: N FED FAC IND: N

NPL IND: N NPL LISTING DATE: NPL DELISTING DATE:

SITE/SPILL IDS:

RPM NAME: RPM PHONE: - -

SITE CLASSIFICATION: SITE APPROACH:

DIOXIN TIER: REG FLD1: REG FLD2: 6

RESP TERM: PENDING () NO FURTHER ACTION ()

ENF DISP: NO VIABLE RESP PARTY () VOLUNTARY RESPONSE ()
ENFORCED RESPONSE () COST RECOVERY ()

SITE DESCRIPTION:

* ACTION: _

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* PENDING () NO FURTHER ACTION ()

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_ -

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10016868



REGION: 04
STATE : GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 26
RUN DATE: 08/03/87
RUN TIME: 19:48:05

M.2 - PROGRAM MAINTENANCE FORM

SITE: CHLORIDE AUTOMOTIVE BATTERIES SATELITE

EPA ID: GAD991275140 PROGRAM CODE: H01 PROGRAM TYPE:

PROGRAM QUALIFIER: ALIAS LINK :

PROGRAM NAME: SITE EVALUATION

DESCRIPTION:

* ACTION: _

* _ *

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REGION: 04
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U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 27
RUN DATE: 08/03/87
RUN TIME: 19:48:05

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: CHLORIDE AUTOMOTIVE BATTERIES SATELITE
PROGRAM: SITE EVALUATION

EPA ID: GAD991275140 PROGRAM CODE: H01 EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E

EVENT NAME: DISCOVERY STATUS:

DESCRIPTION:

* _ _ _ _ *

* _ _ _ _ *

* _ _ _ _ *

* _ _ _ _ *

ORIGINAL

CURRENT

ACTUAL

START: START: START: * _/_/_ _/_/_ _/_/_ *

COMP : COMP : COMP : 08/01/80 * _/_/_ _/_/_ _/_/_ *

HQ COMMENT: * _ _ _ _ _ *

RG COMMENT: * _ _ _ _ _ *

COOP AGR # AMENDMENT # STATUS STATE %
0 * _ _ _ _ _ *

REGION: 04
STATE : GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 28
RUN DATE: 08/03/87
RUN TIME: 19:48:05

M.2 - EVENT MAINTENANCE FORM

* ACTION: _

SITE: CHLORIDE AUTOMOTIVE BATTERIES SATELITE
PROGRAM: SITE EVALUATION

EPA ID: GAD991275140 PROGRAM CODE: H01 EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S

EVENT NAME: PRELIMINARY ASSESSMENT STATUS:

DESCRIPTION:

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

ORIGINAL

CURRENT

ACTUAL

START: START: START: 05/01/84 * _/_/_ _/_/_ _/_/_ *

COMP : COMP : COMP : 05/01/84 * _/_/_ _/_/_ _/_/_ *

HQ COMMENT: * _ _ _ _ _ *

RG COMMENT: * _ _ _ _ _ *

COOP AGR # AMENDMENT # STATUS STATE X

0 * _ _ _ _ _ *

REGION: 04
STATE : GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 29
RUN DATE: 08/03/87
RUN TIME: 19:48:05

M.2 - EVENT MAINTENANCE FORM

* ACTION: _

SITE: CHLORIDE AUTOMOTIVE BATTERIES SATELITE
PROGRAM: SITE EVALUATION

EPA ID: GAD991275140 PROGRAM CODE: H01 EVENT TYPE: SI1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S

EVENT NAME: SITE INSPECTION STATUS:

DESCRIPTION:

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

* _ _ _ _ _ *

ORIGINAL

CURRENT

ACTUAL

START: START: START: 09/12/85 * _/_/_ _/_/_ _/_/_ *

COMP : COMP : COMP : 09/17/85 * _/_/_ _/_/_ _/_/_ *

HQ COMMENT:

* _ _ _ _ _ *

RG COMMENT:

* _ _ _ _ _ *

COOP AGR # AMENDMENT # STATUS STATE %

0

* _ _ _ _ _ *

REGION: 04
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U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 30
RUN DATE: 08/03/87
RUN TIME: 19:48:05

M.2 - COMMENT MAINTENANCE FORM

SITE: CHLORIDE AUTOMOTIVE BATTERIES SATELITE

EPA ID: 6AD991275140

COM
NO COMMENT

ACTION

001 PART A- ON FILE

* - _____ *

* - _____ *

002 LOW HAZARD- DURING FILLING, SPILLS
OF SULFURIC ACID ARE COLLECTED,

* - _____ *

* - _____ *

003 NEUTRALIZED AND DISCHARGED INTO POT
W. LEAD BATTERY SCRAPS SENT TO

* - _____ *

* - _____ *

004 RECYCLER (CHLORIDE METALS).

* - _____ *

* - _____ *



REGIONAL HAZARDOUS WASTE SITE
TENTATIVE DISPOSITION

REGION SITE NUMBER

GAD 991274929

File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency, Site Tracking System, Hazardous Waste Enforcement Task Force (EN-335), 401 M St., SW, Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <i>Chloride Cuts</i>	B. STREET	
C. CITY <i>Columbus</i>	D. STATE <i>Mo.</i>	E. ZIP CODE

II. TENTATIVE DISPOSITION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED -- NO HAZARD					
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)					
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)					
D. ENFORCEMENT ACTION NEEDED (If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					

E. RATIONALE FOR DISPOSITION
this site may be ~~combined~~ combined with the two other chloride sites

F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION (mo., day, & yr.)	G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED (mo., day, & yr.)
---	---

H. PREPARER INFORMATION		
1. NAME <i>Roy Wilkerson</i>	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.) <i>9-13-85</i>

III. INVESTIGATIVE ACTIVITY NEEDED

A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.
these sites may rank should be ~~ranked~~

B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)				
1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION (mo., day, & yr.)	3. TO BE PERFORMED BY (EPA, Contractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS
a. TYPE OF SITE INSPECTION				
(1) _____				
(2) _____				
(3) _____				
b. TYPE OF MONITORING				
(1) _____				
(2) _____				
c. TYPE OF SAMPLING				
(1) _____				
(2) _____				

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
(Record of item checked above)			
TO: Tom Westbrook GA EPD Remedial Actions Unit	FROM: Camilla Warren EPD Site Screening Unit	DATE: Sept 12, 1984 TIME: 2:30 pm	
SUBJECT: CHLORIDE METALS SITE AND TWO CHLORIDE BATTERIES SITES IN COLUMBUS GA.			
SUMMARY OF COMMUNICATION <ul style="list-style-type: none"> - All three sites contiguous and owned by CHLORIDE METALS. - Waste pile ^(on chloride metals property) removed at company expense - sample data by State confirms no hazard. Under EP toxicity for Pb. - chloride metals received waste from battery operations - Water people (EPD) have consent order for chloride metals to clean up run-off problem. The company has agreed to collect and treat runoff; get NPDES permit. Water has sampled area for some time (since '82). Data will be included in report. - Chloride batteries / chloride metals also has some type of <u>air</u> permit - site is near a residential area (in 3mi limit) - no wells known on site 			
CONCLUSIONS, ACTION TAKEN OR REQUIRED THREE SITES ABOVE SHOULD BE ADDRESSED WITH ONE SI report. State will send three copies to EPA			
INFORMATION COPIES TO: Ray Wilkerson, File			

SITE INVESTIGATION REPORT
CHLORIDE AUTOMOTIVE BATTERIES
COLUMBUS, GEORGIA
GAD991274929

*Phil Alfred Ph.D.
for Stockholder*

Charles Stephen Walker
Environmental Specialist
Environmental Protection Division
August 1985

CHLORIDE AUTOMOTIVE BATTERIES

SITE INVESTIGATION REPORT

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CHLORIDE AUTOMOTIVE BATTERIES

SITE INVESTIGATION REPORT

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1.0 EXECUTIVE SUMMARY

The Chloride Automotive Batteries site is located in the City of Columbus, Georgia. The site has been owned by S. E. Graves, Conerex, and by the present owners, Chloride, Inc. Site use prior to 1976 is unknown. During 1976, Chloride, Inc. purchased the facility and began manufacturing batteries on site.

This production results in the generation of sulfuric acid waste which originates in the battery filling area. The acid waste is neutralized on site and discharged under city permit to the local POTW. A small amount of lead oxide and scrap lead waste is also generated at this site. This lead waste is transported to the adjacent Chloride Metals (GAD070330576) site for smelting. In 1982, plant runoff was identified by the Water Branch of the EPD as a major cause of lead contamination in an intermittent stream adjacent to the site. The yard area around the site has been paved by the facility in an attempt to eliminate lead-contaminated soil from entering the adjacent stream via surface runoff. The Chloride Automotive Batteries site is adjacent to two other hazardous waste sites owned by Chloride, Inc.; Chloride Metals (GAD070330576) and Chloride Automotive Batteries Satellite (GAD991275140).

The geology of the site area is composed of alternating sands and clays of Upper Cretaceous age. These unconsolidated sediments are underlain by crystalline rocks (granites and gneisses) of Precambrian and Paleozoic age. The sedimentary rocks, which underlie the site are part of the Cretaceous

Aquifer system. This aquifer is not known to be used in the vicinity of the site. Surface runoff from the site enters the Chattahoochee about 2 miles west of the site. The area around the site consists of heavily populated residential neighborhoods.

On July 24, 1984 Tom Westbrook of the EPD conducted a site inspection of the facility. Mr. Westbrook interviewed the Plant Manager of the site, Mr. Richard Smith. No samples were collected on the Chloride Automotive Batteries site; however, Mr. Westbrook collected a composite soil sample from a former slag waste pile at the adjacent Chloride Metals site. This sample contained lead at a concentration of 2,260 $\mu\text{g}/\text{kg}$ (EP Toxicity method). Samples were collected around the site by the Water Branch of the EPD in 1982, 1983, and 1984. Laboratory analysis of these samples indicated that lead was present in both water and sediment in an intermittent stream adjacent to the site.

The Chloride Automotive Batteries site is currently engaged in corrective actions (along with the 2 other adjacent Chloride sites) negotiated by the Water Branch of the EPD, which will reduce or eliminate lead contamination in stream sediments, storm water (surface water) runoff and discharges from the site. The three contiguous Chloride sites are scheduled to have an NPDES storm water discharge permit sometime during late 1986 according to Larry Hedges of EPD (Industrial Waste Water Program).

Lead contamination of the stream water and sediments will be dealt with by the Industrial Water Quality Section of the Georgia EPD. For this reason, no further actions are planned for the site with respect to CERCLA.

2.0 BACKGROUND

2.1 Location

The Chloride Automotive Batteries site is located in the City of Columbus, in western Georgia (Appendix A, Figure 1).

2.2 Site Layout

The Chloride Automotive Batteries Site is adjacent to two other hazardous waste sites, the Chloride Metals site (GAD070330576) and the Chloride Automotive Batteries Satellite site (GAD070330576). The Chloride sites are bounded on the north by Joy Road and on the west and south by a Central of Georgia Railroad. A light industrial area lies to the east.

2.3 Ownership History

In a phone conversation on 7/30/85 (See Memo in Appendix C), Mr. Kenneth Strunk who has worked at the Chloride Metals site for approximately 15 years, stated that the Chloride Automotive Batteries site was originally owned by S. E. Graves (1962-1973) and Conerex (1973-1976). The facility was operated as the South East Lead Company (SELCO) while under the ownership of S. E. Graves, Inc. The present owners, Chloride, Inc. of Tampa, Florida, purchased the facility in 1976.

2.4 Site Use History

Site use prior to ownership by Chloride, Inc. is unknown. Presumably, S. E. Graves and Conerex both engaged in battery manufacture or related activities. Since 1976, the facility has manufactured batteries (exact type of battery unspecified) on site.

2.5 Permit and Regulatory History

The Chloride Automotive Batteries facility has had a history of involvement with the EPD. The facility currently discharges neutralized acid waste to the local POTW under City of Columbus permit (personal conversation with Dave Bullard of EPD). According to Larry Hedges of EPD's Industrial Waste Water Program, the facility is in the process of obtaining an NPDS permit for surface runoff/storm water runoff from the facility. This process should be completed within one year.

2.6 Remedial Actions to Date

In an effort to reduce the lead content of surface runoff from the site area, Chloride, Inc., has voluntarily paved over sections of exposed yard area around the facility.

2.7 Summary Trip Report

Mr. Tom Westbrook of EPD arrived on site on the morning of 8/24/84. Mr. Westbrook spoke briefly with the Plant Manager, Mr. Richard Smith, who escorted Mr. Westbrook on a tour of the facility. No samples were collected at the Chloride Automotive Batteries site during this visit but a sample was collected from the adjacent Chloride Metals site from a former slag waste pile. Samples collected from around all three of the Chloride sites during 1982, 1983 and 1984 by the Water Quality Branch of the Georgia EPD revealed that lead contamination was present in stream water and sediments.

3.0 ENVIRONMENTAL SETTING

3.1 Topography

The topography of the site area is relatively flat with a slope of from 2% to about 5% toward the west. Because the site is located in an urban setting, much of the slope in the area has been flattened in the construction of roads, homes and businesses.

3.2 Surface Waters

Surface runoff from the site enters an unnamed stream about 100 feet southwest of the site. This stream enters Bull Creek about 1.5 miles southwest of the site. Bull Creek enters the Chattahoochee River about 2 miles west of the site.

The Chattahoochee River has had an average discharge of 6,773 ft³/s during the 1920-1982 period as measured approximately 4 miles northwest of the site (Stokes et al., 1983).

3.3 Geology and Soils

Soils at the site have been mapped as the Eunola Complex. Data relating to the physical characteristics of these soils is included in Figure 3 of Appendix A (Johnson, 1983).

The site is underlain by unconsolidated and semiconsolidated sediments of Louvale Group (Eutaw and Tuscaloosa Formations) of Upper Cretaceous age (Arora, 1984). These alternating sands and clays are less than 500 feet thick in

the site area and are underlain by gneisses, granites and schists of Paleozoic and Precambrian age.

3.4 Ground Water

Sands and clays of the (Upper) Cretaceous Aquifer System underlie the site area. Adequate quantities of potable ground water exist in the more permeable, sandy zones of this aquifer (known elsewhere in the south as the Tuscaloosa Aquifer). The Columbus Municipal Water System does not utilize ground water in the site area (personal conversation between Steve Walker of the Georgia EPD and Mr. Bradley Culverson of the City of Columbus Municipal Water Services - see telephone memo in Appendix C).

3.5 Climate and Meteorology

The climate of the Columbus area is influenced by moist weather systems moving north from the Gulf of Mexico and by continental weather systems moving from the northwest. The Muscogee County area typically has cool winters and hot, humid summers (Johnson, 1983).

3.6 Land Use

The site is surrounded by heavily populated residential neighborhoods. Land use within Muscogee County is as follows (Pine Mountain Soil and Water Conservation District, 1979):

<u>Land Use</u>	<u>Acres</u>	<u>% of Total (approx.)</u>
Forest	95,500	69.0
Urban	38,621	28.0
Pasture	2,280	1.6
Roads	1,785	1.2
Crops	230	.2
	<u>138,416</u>	<u>100.0</u>

3.7 Population Distribution

Columbus had a population of 169,441 persons in 1984 (Burgess, 1984).

3.8 Water Supply

The Columbus Municipal Water System is supplied with 54 million gallons per day (mgd) of water from Lake Oliver on the Chattahoochee River at a point about 3 or 4 miles above downtown Columbus. The municipal water system does not utilize any ground water wells. Private ground water use in the immediate area of the site is unknown (personal communication between Steve Walker of the Georgia EPD and Mr. Bradley Culverson of the City of Columbus Municipal Water System - see telephone memo in Appendix C).

3.9 Critical Environments

No wetlands greater than 5 acres in size exist within 5 miles of the site; however, both the Red cockaded woodpecker and the American alligator have been observed in Muscogee County. Both of these are on the Federal Endangered Species List (Odom, et al, 1977).

4.0 WASTE TYPES AND QUANTITIES

4.1 Waste Quantities

The waste data management sheet for the facility (Appendix C) indicates that 750,000 gallons of sulfuric acid waste is generated per year. This waste is neutralized on site and then discharged to the local POTW. A small amount of lead oxide waste and scrap lead is apparently generated on site also (Trip Report by Tom Westbrook, Appendix C).

4.2 Waste Disposal Methods and Locations

Sulfuric acid wastes are neutralized on site and discharged to the local POTW. All lead oxide waste and scrap lead are transported to the adjacent Chloride Metals site (GAD070330516) for smelting.

4.3 Waste Types

Waste at the site consists of sulfuric acid. Minor amounts of lead oxide and scrap lead are apparently generated on site also.

5.0 LABORATORY DATA

5.1 Summary

One composite soil sample was taken from the adjacent Chloride Metals site old waste pile area on 7/24/84. The sample contained 2,260 µg/kg of lead (EP toxicity method). Various environmental samples have been collected around all 3 contiguous Chloride sites by the water branch of the EPD during 1982, 1983 and 1984. The results (Appendix B) indicate that lead was present in both stream water and stream sediments in and around the Chloride sites.

5.2 Quality Assurance Review

All sampling and subsequent laboratory analysis by the EPD are covered by an approved Quality Assurance document.

6.0 TOXICOLOGICAL/CHEMICAL CHARACTERISTICS

The following substances have been identified at, or are known to occur at the site (Sax, 1984):

lead - OSHA standard in air TWA = $200 \mu\text{g}/\text{m}^3$. A suspected carcinogen of the lungs and kidneys in humans. An experimental teratogen. Known to cause central nervous system damage in humans. The lowest lethal dose for a human (female) is 450 mg/kg/for 6 years (oral route).

EPA HRS Waste Characteristic value of:

	Ground Water and Surface Water Pathway Value	Air Pathway Value
lead	18	9

sulfuric acid - OSHA standard in air TWA = $1 \text{ mg}/\text{m}^3$. Very corrosive and a strong irritant. May ignite or explode upon contact with a variety of chemicals. The lowest lethal dose for a human (male or female) is 135 mg/kg.

EPA HRS Waste Characteristics Value

	Groundwater and Surface Water Pathway Value	Air Pathway Value
sulfuric acid	9	9

CSW/mcw017

APPENDIX A

Appendix A

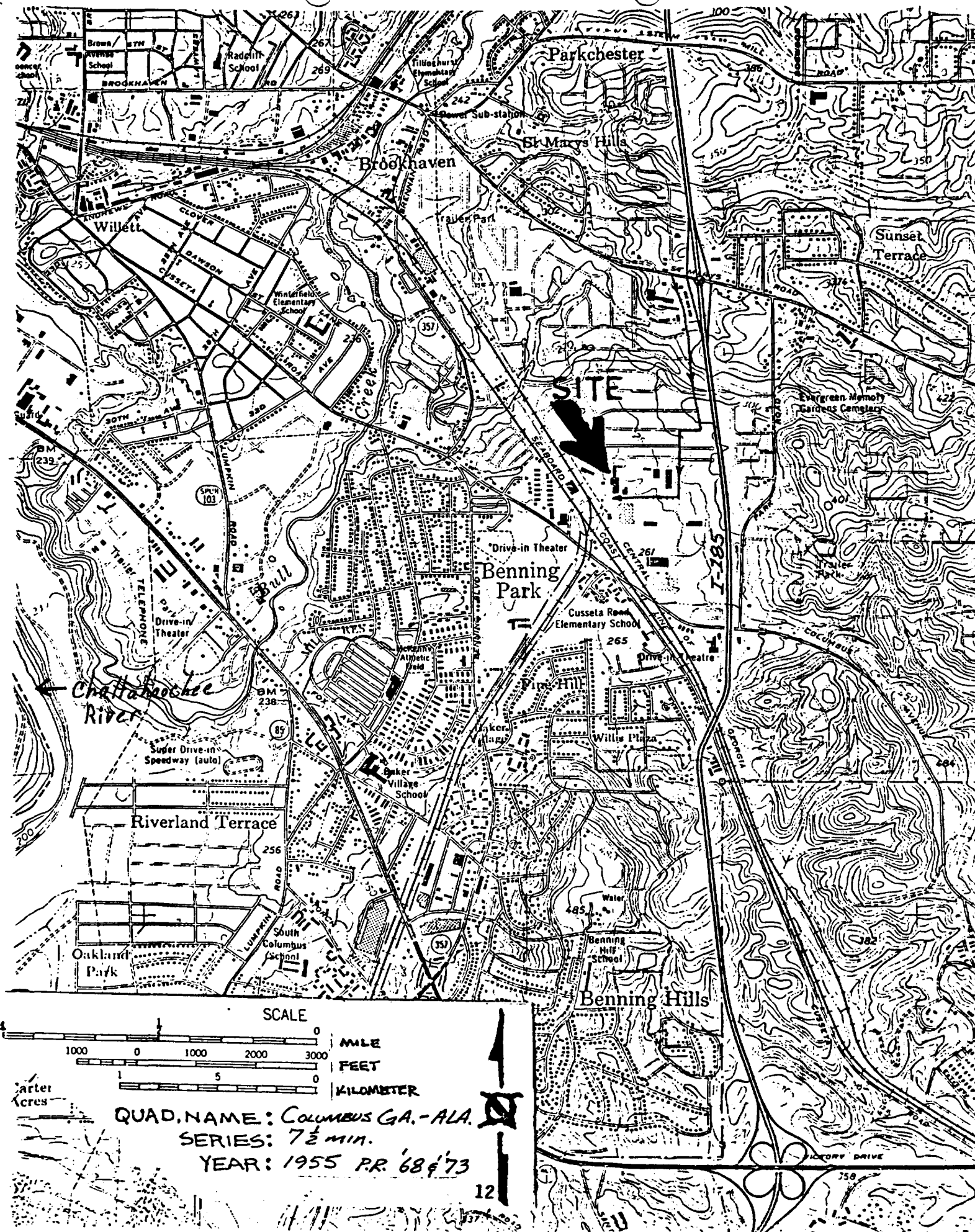


Figure 2: Site Sketc' Map

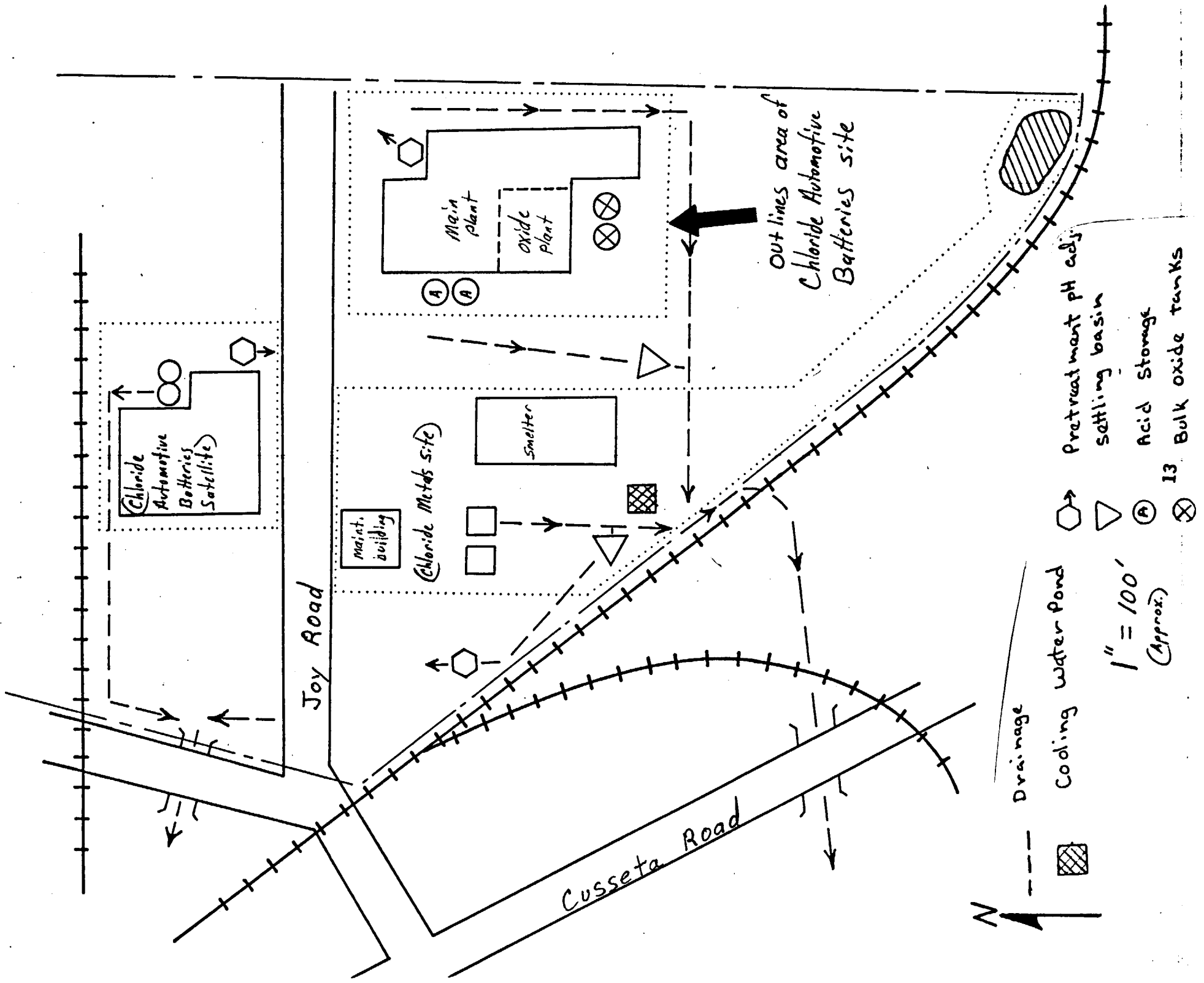
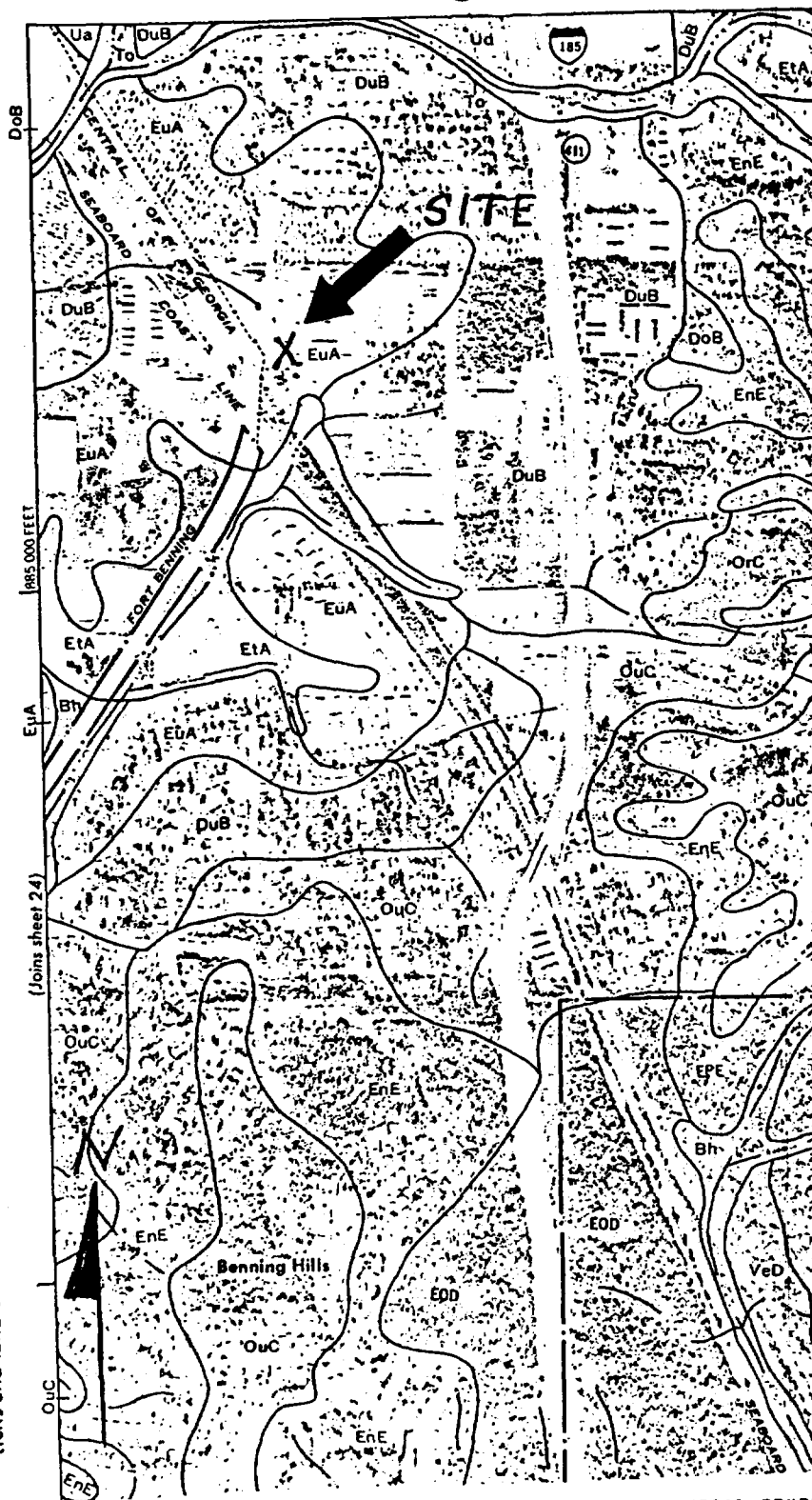


Figure 3: Soil Map of Site Area

ticks and land division corners, if shown, are approximately positioned.



EuA—Eunola-Urban land complex, 0 to 3 percent slopes. This complex consists of areas of moderately well drained Eunola soil and Urban land so intermingle that they could not be mapped separately at the scale selected. This nearly level and very gently sloping complex is on stream terraces of the Southern Coastal Plain, mainly near Upatoi Creek. It is rarely flooded for very brief periods from winter to the middle of spring. Mapped areas are 10 to 300 acres.

Eunola sandy loam makes up about 55 percent of the complex. Typically, the surface layer is dark grayish brown sandy loam about 9 inches thick. The subsoil is predominately sandy clay loam to a depth of 60 inches or more. The upper part is very pale brown; the middle part is yellowish brown and has strong brown, red, and light gray mottles; and the lower part is mottled yellowish brown, strong brown, yellowish red, and light gray.

Eunola soils are low in natural fertility and organic matter content. They are strongly acid or very strongly acid throughout except for the surface layer in limed areas. Permeability is moderate, and the available water capacity is medium. Tillage is good. The water table is at depth of 1.5 to 2.5 feet from late in fall to late in winter.

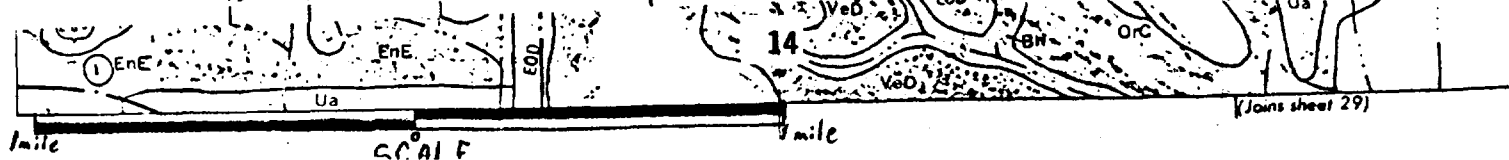
Urban land makes up about 40 percent of each mapped area. It is private dwellings, industrial sites, streets, sidewalks, shopping centers, parking lots, churches, and schools. The soils have been altered by grading, cutting, filling, shaping, and smoothing.

The Eunola soil is poorly suited to sanitary facilities and moderately suited to most building site and recreational development because of seasonal wetness. However, in most places, this can be somewhat overcome by drainage. The common plants used for landscaping, and vegetable gardens grow well.

This complex is not assigned to a capability subclass or woodland suitability subclass.

—PHYSICAL AND CHEMICAL PROPERTIES OF SOILS—

Soil name and map symbol	Depth inches	Clay %	Permeability	Available water capacity	Soil reaction	High water table		
						Depth Feet	Kind	Months
EuA#:	0-18	10-17	2.0-6.0	0.10-0.14	4.5-5.5	1.5-2.5	Apparent	Nov-Mar
Eunola	18-26	18-35	0.6-2.0	0.12-0.17	4.5-5.5			
	26-52	18-45	0.6-2.0	0.12-0.16	4.5-5.5			
	52-60	8-17	2.0-6.0	0.10-0.14	4.5-5.5			



APPENDIX B

TESTED BY David Bullard

WATER QUALITY ANALYSIS
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF NATURAL RESOURCES

Atlanta, Georgia 30234

RECEIVED

BY

DATE _____

TIME

VIA

App	LAB NUMBER				DATE COLL.			TIME COLL.		STATION NO.										COLL AGENCY								
					Yr.	Mo.	Da.																					
	1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1	4	6	9	8	2	0	5	1	3	1	2	2	5	9	1	2	2	5	0	0	0	0	3	0	0	2	1

PROJECT

SAMPLE DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	COLUMBUS WATER WORKS CHLORINE IN: Stream on Joy Rd. #11																																																											

TYPE 3 DATA - FIELD

[illegible]

TYPE 2 DATA - LAB RESULTS

[illegible]

570-83-167

TESTED BY DAVID BULLARD

✓ WATER QUALITY ANALYSIS
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF NATURAL RESOURCES

Atlanta, Georgia 30334

RECEIVED

BY C.H. 1

DATE 5-14-82

TIME 0900

VIA Golford

LAB NUMBER	DATE COLL.						TIME COLL.		STATION NO.										COLL. AGENCY									
	Yr.	Mo	Da																									
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0	1	4	6	7	8	2	9	5	1	3	1	2	2	5	9	1	2	5		0	0	0	0	3	0	9	2	1

PROJECT _____

[illegible]

TYPE 3 DATA - FIELD

[illegible]

TYPE 2 DATA - LAB RESULTS

[illegible]

COMP. DATE 5-20-82 BY Kent

David Bullard

Atlanta, Georgia 30334

RECEIVED

BY D.H.
DATE 5-14-82
TIME 0900
VIA Bullard

B NUMBER			DATE COLL.									TIME COLL.				STATION NO.										CCLL. AGENCY			
			Yr			Mo			Da																				
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
1	4	6	8	2	0	5	1	3	1	3	2	0	9	1	2	2	5	0	0	0	0	3	0	0	2	1			

PROJECT _____

SAMPLE DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	Columbus Water Works Chloride Inc. Stream south of plant #4																																																											

TYPE 2 DATA - LAB RESULTS

[illegible]

PARAMETER		STORET CODE	R	VALUE
BOD	mg/l	0 0 3 1 0		
TOC	mg/l	0 0 6 8 0		
Color	PCU	0 0 0 8 0		
pH		0 0 4 0 3		
Tot. Alk	mg/l CaCO ₃	0 0 4 1 0		
Hdns.	mg/l CaCO ₃	0 0 9 0 0		
Spec. Cond.	$\frac{\mu\text{mho}}{\text{cm}}$	0 0 0 9 5		
Turbidity	JCU	0 0 0 7 0		
NH ₃	mg/l (N)	0 0 6 1 0		
NO ₃ + NO ₂	mg/l (N)	0 0 6 3 0		
Phos.	mg/l (P)	0 0 6 6 5		
F. Coli.	MPN 100ml	3 1 6 1 5		
T. Solids	mg/l	0 0 5 0 0		
S. Solids	mg/l	0 0 5 3 0		
Ca	mg/l	0 0 9 1 6		
Mg	mg/l	0 0 9 2 7		
Na	mg/l	0 0 9 2 9		

[illegible]

18

DOBY David Bullard

D BY

David Bullard

WATER QUALITY ANALYSIS
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF NATURAL RESOURCES

Atlanta, Georgia 30334

RECEIVED

BY

RECEIVED
O.H. Kau

DATE _____

5-14-82

TIME

6900

VIA

Bolkerd

AB MBER					DATE COLL.						TIME COLL.				STATION NO.										COLL AGENCY			
					Yr.	Mo	Da.																					
3	4	5	6	7	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	4	2			8	2	0	5	1	3	1	3	2	0	9	1	2	2	5	0	0	0	0	3	0	0	2	1

PROJECT

[illegible]

TYPE 3 DATA - FIELD

[illegible]

TYPE 2 DATA - LAB RESULTS

[illegible]

Sediment

19

P6 ^m /Kg Dry	01052	12400
----------------------------	-------	-------

no Solids	90510	77.3
-----------	-------	------

5-20-82 Flu

ED BY David Bullard

WATER QUALITY ANALYSIS
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF NATURAL RESOURCES

Atlanta, Georgia 30334 .

RECEIVED

BY O. H. Kew

DATE 5-14-82

TIME C: 920

VIA Bullard

LAB NUMBER						DATE COLL.						TIME COLL.		STATION NO.										COLL. AGENCY					
						Yr.		Mo.		Da																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0	1	4	7	2		8	2	0	5	1	3	1	2	5	2	9	1	2	2	5	0	0	0	0	3	0	0	2	1

PROJECT _____

[illegible]

Sediment

TYPE 3 DATA - FIELD

[illegible]

TYPE 2 DATA - LAB RESULTS

PARAMETER	STORET CODE	R	VALUE
BOD mg/l	0 0 3 1 0		
TOC mg/l	0 0 6 8 0		
Color PCU	0 0 0 8 0		
pH	0 0 4 0 3		
Tot. Alk mg/l CaCO ₃	0 0 4 1 0		
Hdns. mg/l CaCO ₃	0 0 9 0 0		
Spec. Cond. $\frac{\mu\text{mho}}{\text{cm}}$	0 0 0 9 5		
Turbidity JCU	0 0 0 7 0		
NH ₃ mg/l (N)	0 0 6 1 0		
NO ₃ + NO ₂ mg/l (N)	0 0 6 3 0		
Phos. mg/l (P)	0 0 6 6 5		
F. Coli. MPN 100ml	3 1 6 1 5		
T. Solids q_s mg/l	0 0 5 0 0		
S. Solids mg/l	0 0 5 3 0		
Ca mg/l	0 0 9 1 6		
Mg mg/l	0 0 9 2 7		
Na mg/l	0 0 9 2 3		

[illegible]

Serial # 54357, Model # 100, Year 71

David Bullard

WATER QUALITY ANALYSIS
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF NATURAL RESOURCES

Atlanta, Georgia 30334

RECEIVED

BY

D.H. Kell

DATE _____

5-14-82

TIME

0920

VIA

Gullone

LAB NUMBER						DATE COLL.						TIME COLL.				STATION NO.										COLL. AGENCY				
						Yr.		Mo.		Da.																				
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
0	1	4	2	1	8	2	0	5	1	3	1	2	5	2	9	1	2	2	5	0	0	0	0	3	0	0	2	1		

PROJECT

[illegible]

TYPE 3 DATA - FIELD

[illegible]

TYPE 2 DATA - LAB RESULTS

[illegible]

CONFIDENTIAL 570-82 NEW

Glen Vaughn (CWW)

WATER QUALITY ANALYSIS
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF NATURAL RESOURCES

Atlanta, Georgia 30334

RECEIVED

BY

DATE _____

TIME

VIA

AREA				DATE COLL.									TIME COLL.				STATION NO.										COLL AGENCY			
				Yr.	Mo	Da																								
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	4	7	3	8	2	0	5	1	3					9	1	2	2	5	0	0	0	0	3	0	0	2	1			

PROJECT

[illegible]

TYPE 3 DATA - FIELD

[illegible]

TYPE 2 DATA - LAB RESULTS

PARAMETER		STORET CODE	R	VALUE
BOD	mg/l	0 0 3 1 0		
TOC	mg/l	0 0 6 8 0		
Color	PCU	0 0 0 8 0		
pH		0 0 4 0 3		
Tot. Alk	mg/l CaCO ₃	0 0 4 1 0		
Hdns.	mg/l CaCO ₃	0 0 9 0 0		
Spec. Cond.	$\frac{\mu\text{mho}}{\text{cm}}$	0 0 0 9 5		
Turbidity	JCU	0 0 0 7 0		
NH ₃	mg/l (N)	0 0 6 1 0		
NO ₃ + NO ₂	mg/l (N)	0 0 6 3 0		
Phos.	mg/l (P)	0 0 6 5 5		
F. Coli.	$\frac{\text{M'PN}}{100\text{ml}}$	3 1 6 1 5		
T. Solids	mg/l	0 0 5 0 0		
S. Solids	mg/l	0 0 5 3 0		
Ca	mg/l	0 0 9 1 6		
Mg	mg/l	0 0 9 2 7		
Na	mg/l	0 0 9 2 9		

22

COMPLETED

5-19-52

Kay

VA. 1-1-5

ED BY Glen Vaughn (CWW)

WATER QUALITY ANALYSIS
ENVIRONMENTAL PROTECTION DIVISION
DEPARTMENT OF NATURAL RESOURCES

Atlanta, Georgia 30334

RECEIVED

BY Kew
DATE 5-14-82
TIME 0500
VIA Dave Ballard

APR NUMBER						DATE COLL.						TIME COLL.				STATION NO.										COLL. AGENCY			
						Yr.	Mo.	Da.																					
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
0	1	4	7	4	8	2	0	5	1	3	1	2	1	0	9	1	2	5	0	0	0	0	3	0	0	2	1		

PROJECT _____

SAMPLE DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	Columbus water works Apparel mfg. co Joy Rd																																																											

TYPE 3 DATA - FIELD

[illegible]

TYPE 2 DATA - LAB RESULTS

[illegible]

COMPLETED 8-14-92 CHECKED [Signature] INVT _____ VALIDATED _____

APPENDIX C

TELEPHONE MEMORANDUM

FROM: Steve Walker - EPD, RAU (404) 656-7404
TO: Mr. Kenneth Strunk - Plant Manager chl. (404) 689-1701
SITE: Chloride Automotive Batteries ^{Metals} CAD991274929
DATE: 7/30/85 TIME: 10:40 a.m.

COMMENTS: I called to speak with Mr. Richard Smith. Mr. Strunk came on the line and stated that Mr. Smith no longer worked for Chloride at Columbus. Mr. Strunk stated that he has worked at the Chloride Metals site for about 15 years. He was able to answer my questions about the adjacent Chloride Automotive Batteries site. He indicated that the oxide storage tanks (Appendix A, Fig. 2) at the battery plant contain lead oxide in powder form. Mr. Strunk stated that S. E. Graves owned the Chloride Automotive Batteries site from 1969 until 1973 or 1974, after which Conerex then purchased all three contiguous Chloride sites and owned them until Chloride, Inc. purchased the 3 sites in the ^{mid}late 1970's. Mr. Strunk stated that Ms. Julia Herring, personnel manager at the Chloride Automotive Batteries plant, would be an appropriate

~~ACTION REQUIRED.~~ Contact for the site.

Steve Walker 7/30/85

cc: 1) _____
2) _____
3) _____
4) _____
5) _____

TELEPHONE MEMORANDUM

Appendix C

FROM: Steve Walker (404) 656-7404
 TO: Bradley Culverhouse-V.P. Water Services (404) 322-5471
 SITE: Choride Metals
 DATE: 7/26/85 TIME: 11:10 am

COMMENTS: I called Mr. Culverhouse to inquire as to the
source of water for the City of Columbus. Mr. Culverhouse
stated the the City is permitted to withdraw 54 million gallons
per day from Lake Oliver on the Chattahoochee River
at a point about 3 or 4 miles south of Columbus. He
also stated that the city is trying to get approval to
withdraw 67 million gallons per day.

ACTION REQUIRED:

Steve Walker 7/26/85

- cc: 1) _____
 2) _____
 3) _____
 4) _____
 5) _____



Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION

270 WASHINGTON STREET, S.W.

ATLANTA, GEORGIA 30334

Commissioner

July 30, 1984

J. LEONARD LEDBETTER

TRIP REPORT

Site Name and Location: Chloride Inc. Columbus Operations-- Chloride Metals,
Chloride Auto Batteries Main and Satellite Plants

TMW
Trip By: Tom Westbrook, Environmental Specialist
Remedial Action Unit

Accompanied By: None

Date of Trip: July 23-24, 1984

Officials Contacted: Mr. Kenneth Strunk, Plant Manager
Chloride Metals

Mr. Richard Smith, Plant Manager
Main and Satellite Plants

Reference: None

Comments: On the afternoon of July 23, 1984, the writer travelled to Columbus in order to perform a site inspection for the 3012 Program of the three facilities named above. The inspection was arranged to commence on July 24, 1984.

Upon arrival at the Chloride Metals site, I met with Mr. Kenneth Strunk and the details of our conversations are as follows:

1. Chloride Metals, Chloride Auto Batteries will now be known as the Chloride Battery Division (CBD) of Chloride Inc.
2. Chloride has been known on this site as SELCO--(S.E. Lead Co.) when Satellite and Main were--Contract Batteries. Prior to this the operation has been known as Conerex and S.E. Graves Inc.
3. The Smelter commenced operations in 1962.
4. We discussed the 3012 program and I explored some information about the Waste Pile--this pile is believed to have been a temporary storage facility. The process has never really changed at the smelter, but now, generated wastes are shipped to CWM in Alabama on an approximate 2 wk. schedule.
5. The runoff problem is understood and my position (3012) was expressed.
6. I agreed to sample the soils under the former pile and to split this sample with Chloride.

Page Two
Trip Report
July 30, 1984

Prior to sampling, Mr. Strunk presented me to Mr. Richard Smith. Mr. Smith gave me details and a tour of the Satellite and Main Plants. Details are as follows:

1. The satellite facility is no longer a manufacturing operation-- rather the area is used as a charging facility and a storage/distribution (warehouse) for customer delivery.
2. The Main and Satellite operations wastes have been accumulated and transported to Chloride Metals for smelting (reclamation).
3. The Main Plant is "geared up" equipped for a higher production capacity and does not store waste lead or oxide rather all materials go to the smelter.
4. On tour the operation has the appearance of a well run, organized, and clean operation.

Sample locations for the Waste Pile were selected with the input of Mr. Strunk. Kenneth was very cooperative and was anxious to obtain the samples that would result in a final disposition with respect to the Waste Pile. Kenneth pointed out the former area of the pile concurred that approximately 1 foot of fill went into the area where soils were taken in closing out the Pile. While digging, the Fill appeared to be more on the order of 6" to 8" (MAX) and holes were not advanced beyond 10". Three holes were advanced in order to obtain a single composite of the rather large area where the former pile rested. Samples taken were placed in a large clean jar, then mixed well (broken in sheet plastic) prior to splitting with Chloride. The composites were labelled WP-1- Chloride Metals and will be delivered to the EPD lab for EP-lead testing. A sketch map was prepared in the field and can be related to existing plant drawings. The sketch map is provided as Attachment 1. Two photographs were taken of sample locations and the area of the former waste pile.

Conclusions: No ~~c~~onclusions can be drawn until lab results are received and evaluated.

Recommendations and Follow-up Required:

1. Lab results must be received and evaluated.
2. A 3012 Site Inspection report should be completed on the 3 sites.
3. A map should be prepared and attached to this memo.
4. Chloride Metals should receive some response to letters requesting change of status to Generator and Transporter from TSD.

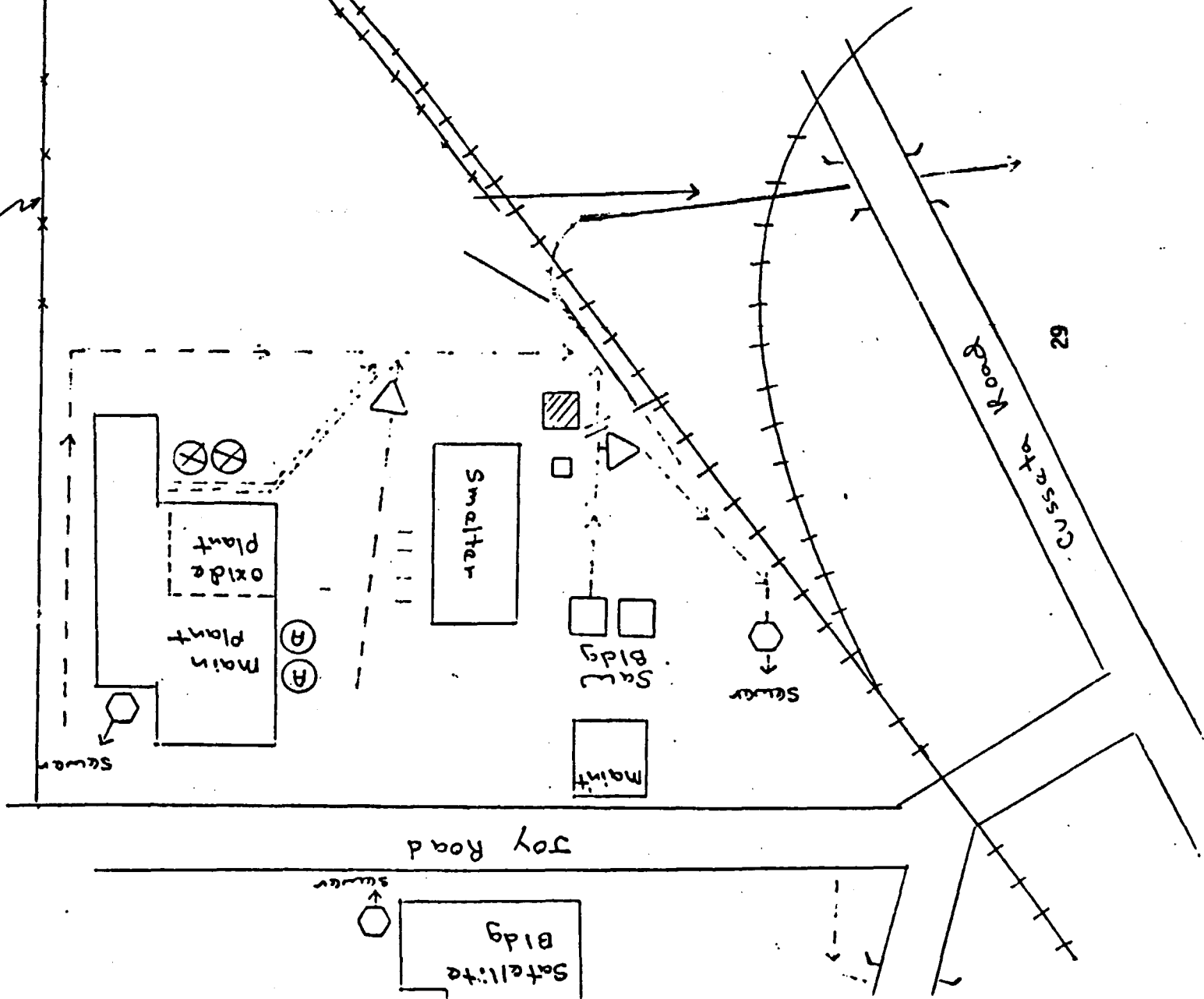
Photographs: Two polaroids

Reviewed By:

Joseph J. Durawic

cc: John D. Taylor, Jr.

NOTE: SEE PLOT PLAN
FOR SAMPLE
LOCATIONS
1"=40 FT.



CHLORIDE INC.
COLUMBUS, GA.
GENERALIZED SITE PLAN
SCALE: 1"=APPROX. 100 FT.

TMW FROM FILE SKETCH

RAILROAD SPUR

SE. CORNER

FORMER
WASTE PILE
(WP-1)

FENCE LINE

Satellite
Bldg

sewer

Joy Road

Maint

Salt
Bldg

Smelter

Main
plant

oxide
plant

Sewer

Cusseta Road

29

A horizontal number line with tick marks at 0, 50, and 100. The word "FEET" is written below the line.

FENCE
LINE

- BOUNDARY
OF FORMER
WASTE PILE

S.E. CORNER

RAILROAD
SPUR

WP-1
COMPOSITE LOCATIONS

ATTACHMENT 1
2 of 2

TMW FROM CHLORIDE

Appendix C



#1 24-JUL-84 WP-1
CHLORIDE

County Name MUSCOGEE
 Picture No 1 of 2
 Site Name CHLORIDE METALS
 Date 24-JUL-84 Weather clear
 Direction Facing SW
 Photographer T. WESTBROOK
 Program 3012
 Explanation: CLOSE-UP OF
FIRST OF THREE HOLES FOR
OBTAINING SOILS FOR WASTE
PILE COMPOSITE
 Other: NEAR southern fence
line, railroad tracks further
to south (SEE PHOTO #2)



#2 24-JUL-84 WP-1
CHLORIDE

County Name MUSCOGEE
 Picture No 2 of 2
 Site Name CHLORIDE METALS
 Date 24-JUL-84 Weather clear
 Direction Facing SW
 Photographer T. WESTBROOK
 Program 3012
 Explanation: PHOTO OF 3
COMPLETED HOLES FOR WASTE
PILE COMPOSITE
 Other: SAMPLE: WP-1 Chloride
Columbus

DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
WASTE MANAGEMENT DATA SHEET

Appendix C
GAD991274929
RECEIVED

JAN 29 1984

REMEDIAL ACTIONS UNIT

NAME AND LOCATION OF FACILITY

Chloride Automotive Batteries - Main Plant
Joy Road
Columbus, GA 31903

PERSON TO CONTACT

(ENTER THE NAME, ADDRESS, TITLE AND BUSINESS TELEPHONE NUMBER OF
THE PERSON TO CONTACT REGARDING INFORMATION SUBMITTED ON THIS FORM).

Grady E. Curl, Manufacturing Engineer

P. O. Box 1124

Tampa, FL 33601

813/248-3161

DATES OF WASTE HANDLING

(ENTER THE YEARS THAT YOU ESTIMATE WASTE TREATMENT, STORAGE OR DISPOSAL
BEGAN AND ENDED AT THE SITE. IF YOU SELECTED A FACILITY OFF-SITE PLEASE
NOTE AND EXPLAIN IN "COMMENTS" SECTION.

Battery manufacturing and waste treatment started at this facility
in 1976. The facility is still in operation.

GENERAL TYPE OF WASTE

- | | |
|---------------------|------------------------------|
| 1- () ORGANICS | 7- () BASES |
| 2- () INORGANICS | 8- () PCB's |
| 3- () SOLVENTS | 9- () MIXED MUNICIPAL WASTE |
| 4- () PESTICIDES | 10- () UNKNOWN |
| 5- () HEAVY METALS | 11- () OTHER (SPECIFY) |
| 6- (X) ACIDS | |

WASTE QUANTITY (ESTIMATED)

750,000 gallons/year

HAS THERE EVER BEEN A SPILL OR DISCHARGE OF A HAZARDOUS SUBSTANCE FROM YOUR
FACILITY? (BRIEFLY EXPLAIN THE NATURE OF THE RELEASE).

No

COMMENTS

(IF THERE IS ANY COMMENTS THAT YOU BELIEVE WOULD CLARIFY THE PAST WASTE HANDLING PRACTICES OF YOUR FACILITY OR OF FACILITIES YOU SELECTED TO HANDLE YOUR WASTE, PLEASE ELABORATE IN THE SPACE PROVIDED).

The only hazardous waste generated at this facility is sulfuric acid
collected from battery filling and battery formation operations.
This acid is neutralized and discharged into a POTW.

SIGNATURE AND TITLE Grady E. Curl 813/248-3161
NAME TELEPHONE

P. O. Box 1124
STREET

Tampa, FL 33601
CITY STATE ZIP CODE


SIGNATURE DATE



JOE D. TANNER
Commissioner

J. LEONARD LEDBETTER
Division Director

Appendix C
Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET, S.W.
ATLANTA, GEORGIA 30334

March 30, 1984

Mr. P. N. McNally
Manager, Engineering Services
Chloride Battery Division
3507 S. 50th Street
Post Office Box 1124
Tampa, Florida 33601

RE: Chloride Inc.
Columbus, Georgia

Dear Mr. McNally:

As Mr. David Bullard discussed with you on February 24, 1984, samples have been collected downstream from Chloride Inc. in Columbus, Georgia since 1982 as a result of lead contamination in these streams. The attachment includes results of analyses of samples collected since 1982.

In our February 14, 1983 letter we stated that follow-up inspections would be conducted to assure that lead contamination has been eliminated downstream from this plant. The results of the February 24, 1984 samples indicate that lead concentrations have significantly increased since July 26, 1983. This indicates that Chloride Incorporated has not satisfactorily resolved the problem of lead entering the surrounding drainage system.

We realize that Chloride Inc. has made significant efforts to reduce sources of lead discharges. However, the results of stream analyses indicate that contaminated runoff is continuing to be a problem which must be resolved. It may become necessary to contain all runoff from the plant property to correct this problem.

Please contact Mr. Alan W. Hallum of our staff at 404/656-7400 to set-up a convenient time to meet and discuss this problem. Your cooperation in this matter is appreciated.

Sincerely,

Jack C. Dozier
Jack C. Dozier, P.E., Chief
Water Quality Control Section

JCD/dlbe

ATTACHMENT

ATTACHMENT

Chloride Inc.
Columbus, Georgia
Lead Sampling

<u>Sample Location</u>	<u>Date</u>		
Stream on plant property	6/10/82	7/26/83	2/24/84
Stream Sample	Concentration(Pb)	Concentration(Pb)	Concentration(Pb)
Sediment Sample	32,000 ug/l	1,400 ug/l	15,500 ug/l
	46,000 mg/kg	3,350 mg/kg	13,200 mg/kg
Stream at Cusseta Rd.			
Stream Sample	10,500 ug/l	1,440 ug/l	935 ug/l
Sediment Sample	740 mg/kg	120 mg/kg	418 mg/kg



JOE D. TANNER
Commissioner

J. LEONARD LEDBETTER
Division Director

Appendix C
Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET, S W
ATLANTA, GEORGIA 30334

March 28, 1984

M E M O R A N D U M

TO: Alan Hallum *Awt*

FROM: David L. Bullard *DLB*

RE: Chloride Inc.
Columbus, Georgia

The results of the analyses of lead samples collected at the referenced facility on 2/24/84 have been received from the Georgia Water Quality laboratory. The concentrations of lead in three out of four of the samples collected have significantly increased since 7/26/83 (see attachment). This indicates that Chloride Inc. has not satisfactorily resolved the problem of lead entering the drainage system surrounding the plant property. It is requested that we send a letter to Chloride Inc. informing them of the trend in samples collected since 1982 and that a plan for additional corrective action be developed and implemented.

DLB/lde

ATTACHMENT



JOE D. TANNER
Commissioner

J. LEONARD LEDBETTER
Division Director

Appendix C
Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET, S W
ATLANTA, GEORGIA 30334

November 18, 1982

Mr. Laurence W. Hahn
Manager of Manufacturing Engineering
Chloride Incorporated
Automotive Division
3507 50th Street South
Post Office Box 1124
Tampa, Florida 33601

RE: Chloride, Inc.
Columbus, Georgia

Dear Mr. Hahn:

On November 2, 1982, a follow-up inspection was conducted at Chloride, Inc. in Columbus, Georgia to verify the status of action taken to correct problems outlined in our letter of June 18, 1982. Most of the problems noted have been corrected; however, the following problems remain:

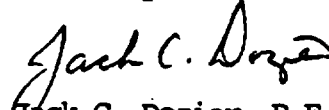
1. The cooling water discharge at the Satellite plant has not been eliminated. We understand that new acid tanks are being installed in this area which includes an overflow prevention sump pump to the pH neutralization pit. When this is installed, the cooling water will be connected to the line to the neutralization pit. Please notify this office when the work has been completed.
2. Overall plant site runoff was identified in our June 10, 1982 inspection as one of the major sources contributing to downstream lead contamination. In our August 24, 1982 letter to Chloride, Inc., the engineering design and drawings for overall plant site runoff control were to be submitted to the Division by October 1, 1982. To date, this has not been received. Please submit the plans or drawings explaining how overall plant contaminated runoff will be controlled.
3. The lead contaminated sediment has not been removed from the stream. Please provide this office with a proposal and schedule addressing the sediment removal.

Please provide this office with a status report on the items noted above by December 15, 1982. The Division will conduct follow-up inspections to

Mr. Laurence W. Hahn
Page Two

assure that appropriate action is being taken to correct these problems. We will continue to monitor Chloride, Inc.'s compliance with the schedule of upcoming actions proposed in your letter of August 4, 1982.

Sincerely,



Jack C. Dozier, P.E., Chief
Water Quality Control Section

JCD/dlbe



JOE D. TANNER
Commissioner

LEONARD LEDBETTER
Division Director

Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET, S.W.
ATLANTA, GEORGIA 30334

Appendix C

June 24, 1982

MEMORANDUM

TO: Robert W. Troxler
THRU: Alan W. Hallum *AWH*
FROM: David L. Bullard
RE: Chloride Incorporated
Columbus, Georgia

On June 10, 1982, Alan Hallum and I met with officials of Chloride Incorporated in Columbus, Georgia to investigate possible sources of contamination into streams surrounding this plant. This investigation was conducted as a result of significant amounts of lead being found in streams and sediment samples collected in the surrounding streams on May 13, 1982.

Those in attendance at this meeting were:

1. Laurence Hahn: Regional Manager
2. Dick Smith: Manager, Main Plant
3. Kenneth Strunk: Manager, Smelter
4. Ron Fisher: Manager, Satellite Plant
5. Louis Anderson: Area Personnel Manager
6. Alan W. Hallum: Georgia EPD
7. David Bullard: Georgia EPD

The investigation included a tour of the Main Plant, the Smelter Operation and the Satellite Plant. The attachment outlines problems identified at each of these facilities. Each problem is numbered and is referenced on the attached location map.

When the tour was complete, Alan Hallum discussed with the Chloride representatives the action which would be necessary to resolve identified problems. Chloride representatives indicated a willingness to correct these problems.

Also during the investigation samples were collected and photographs were taken. Information on the sample point location and results will be attached when available.

After the investigation and meeting, Alan Hallum discussed the situation with Mark McGee of Channel 9 News in Columbus, Georgia.

MEMORANDUM
June 24, 1982
Page Two

A letter was sent to Chloride Incorporated requesting that the problems identified during this inspection be resolved. Chloride Incorporated was requested to send the Division a report explaining what action will be taken, including a schedule, for the resolution of these problems.

DLB/lde

ATTACHMENT



JOE D. TANNER
Commissioner

J. LEONARD LEDBETTER
Division Director

Appendix C

Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET, S W
ATLANTA, GEORGIA 30334

June 18, 1982

Mr. Lawrence W. Hahn, Manager
Manufacturing Engineering
Chloride, Inc.
Automotive Division
3507 South 50th Street
Post Office Box 1124
Tampa, Florida 33601

RE: Chloride, Inc.
Columbus, Georgia

Dear Mr. Hahn:

On June 10, 1982, representatives of the Georgia Environmental Protection Division conducted an inspection at the referenced facility. This inspection was performed as a result of complaints concerning significant amounts of lead contamination in a drainage area below the plant property. As indicated in our letter dated June 2, 1982, analysis of samples collected in this area confirmed the presence of high levels of lead.

During our inspection of the main plant, the smelter operation and the satellite plant, the following problems were identified as probable or potential causes of stream contamination. Each item is numbered and is referenced on the attached location map.

Main Plant

1. Spillage of lead oxide could occur at the temporary lead oxide transfer station for the main plant. It is recommended that the in-plant transfer system be made operational or that an adequate spill prevention procedure be developed for the temporary system.
2. The potential exists for runoff contamination from the acid storage area. The old tanks should be removed from the site and precautions taken to prevent acid contaminated runoff during periods of rainfall. Leaking water seals were observed on the acid transfer pumps. The seals should be replaced to prevent water accumulation in the area of the acid tanks.
3. There was a discharge from a roof drain of the main plant building. This discharge contained kerosene which was leaking from a storage drum. Although the kerosene leak was eliminated that day, the potential exists for leaks and spills in this area and corrective action should be taken to prevent future problems. In addition, the source of the discharge from the roof drain during periods of dry weather should be identified and eliminated.

Mr. Lawrence W. Hahn
Page Two

Lead Smelter

4. The potential for a discharge exists at the collection area for the cracking of batteries and scrap lead storage. During periods of rainfall the berm at the end of the collection channel would not be sufficient to contain contaminated runoff.
5. The area where impurities from the lead oxide process are stored in barrels is not diked and this area was identified as a source of potential contaminated runoff.
6. Storm water and plant washdown from the smelter and the lead oxide plant drain to a small settling basin and then to the drainage ditch. Just outside the plant property this drainage ditch contained significant quantities of lead based on our sampling results of May 13, 1982.
7. Batteries to be reclaimed were observed stacked in front of the smelter building. The potential exists for acid spillage and runoff in this area. Batteries should be removed and the practice of storage in this area should be discontinued.
8. Oil and steam cleaning wastes have been allowed to run off the plant property in the area of the maintenance building. Although this practice has been stopped, additional cleanup in this area is needed.

Satellite Plant

9. The cooling water discharges that discharge to the drainage area behind the satellite plant should be eliminated or permitted through this office. An NPDES permit application was transmitted to your office in our letter of June 2, 1982.

The pretreatment system for discharges to the municipal system consisted of pH neutralization with anhydrous ammonia. As was discussed, discharges to the City of Columbus' system must comply with the industrial pretreatment requirements for the City. It appeared that the acid wastes from the processes were being adequately neutralized, however, there were no provisions for removal of lead.

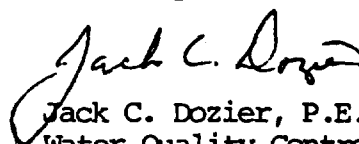
We are very concerned with the high levels of lead that were found in the drainage area below the plant discharge. Therefore, we are requesting that your office provide the Division with a report by July 15, 1982, outlining action that Chloride, Inc. will take on the following:

Mr. Lawrence W. Hahn
Page Three

1. The discharge of lead-contaminated runoff should be eliminated. The report should address the overall problem with contaminated runoff from the plant site and should include a plan for corrective action as well as a schedule for completion.
2. Our May 13, 1982 sampling data indicated that the discolored sediment in the stream behind the plant property is contaminated with lead. The lead contamination is visible in the stream from the plant property down to Cusseta Road. This contaminated sediment must be removed and disposed of in accordance with all State, City, and Federal regulations.

My staff has indicated that you demonstrated a willingness to resolve these problems and comply with the applicable laws. We appreciate your spirit of cooperation, however, we would like to emphasize that the problem is very serious and, if a timely resolution of these problems is not forthcoming, we are prepared to take appropriate follow-up action.

Sincerely,

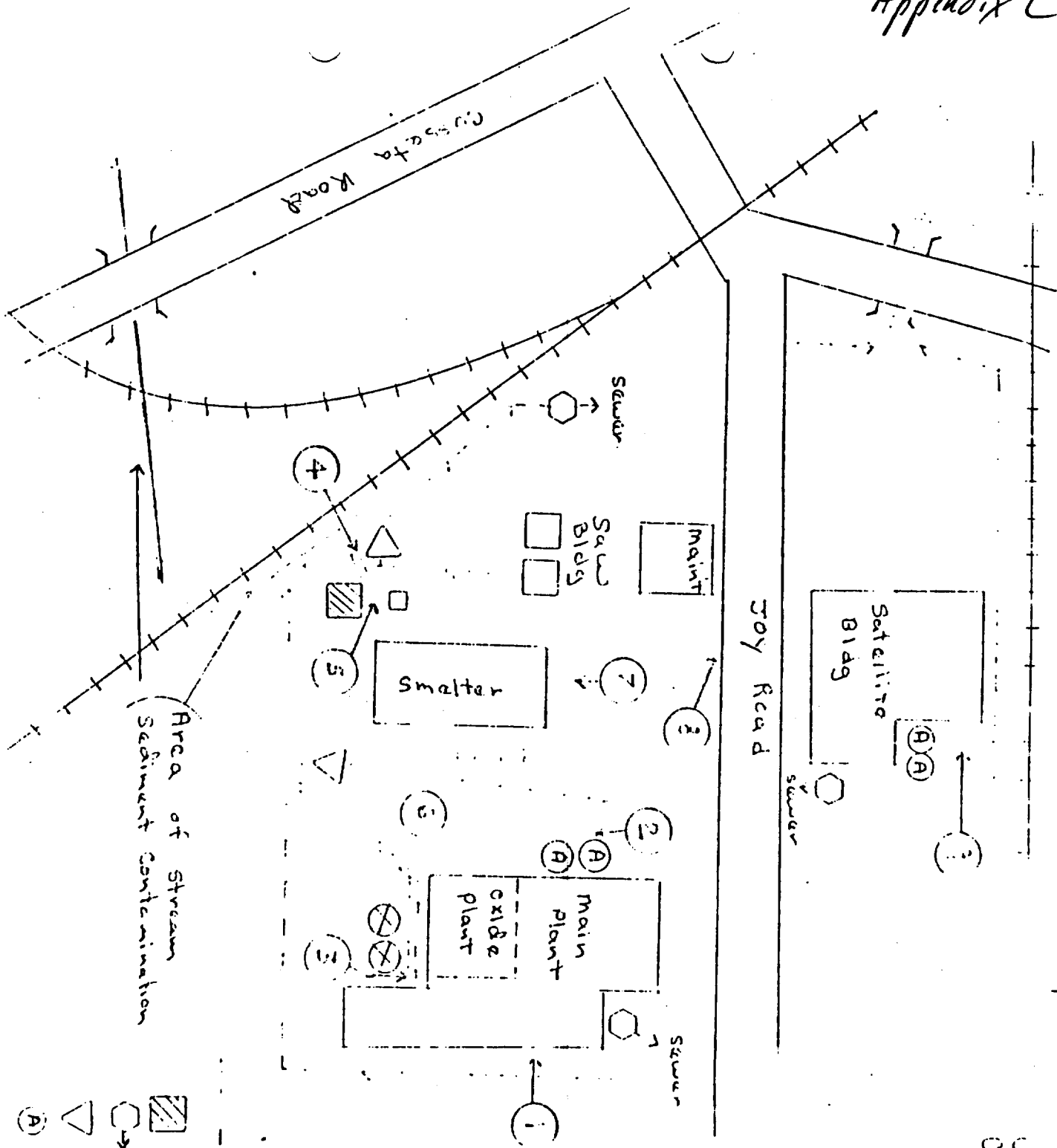


Jack C. Dozier, P.E., Chief
Water Quality Control Section

JCD/dska

cc: Mr. Bob Tant
City of Columbus

ATTACHMENT



Caloride Inc.
Decatur, Georgia
June 10, 1982

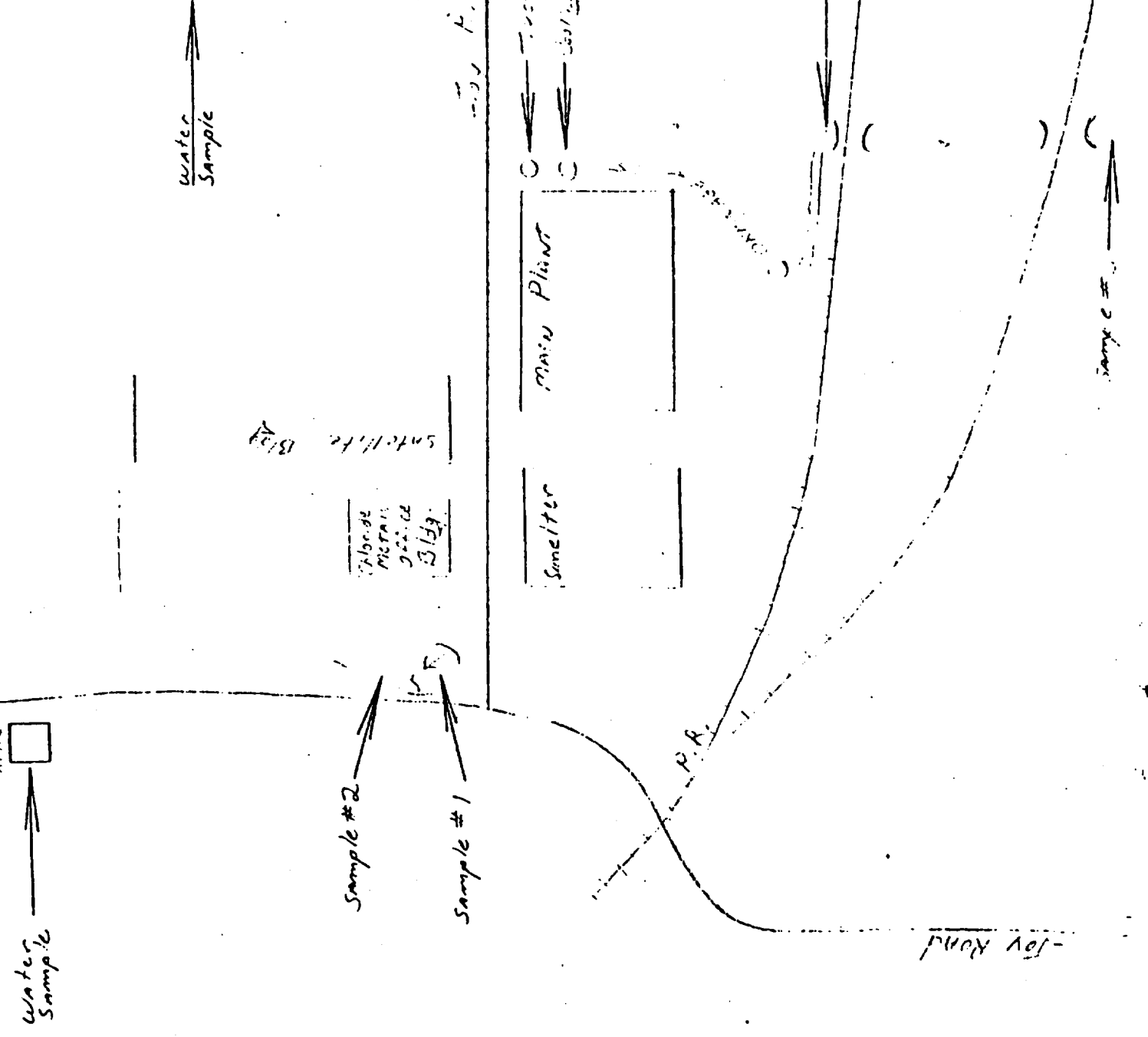
Chloride Inc., Columbus, Georgia

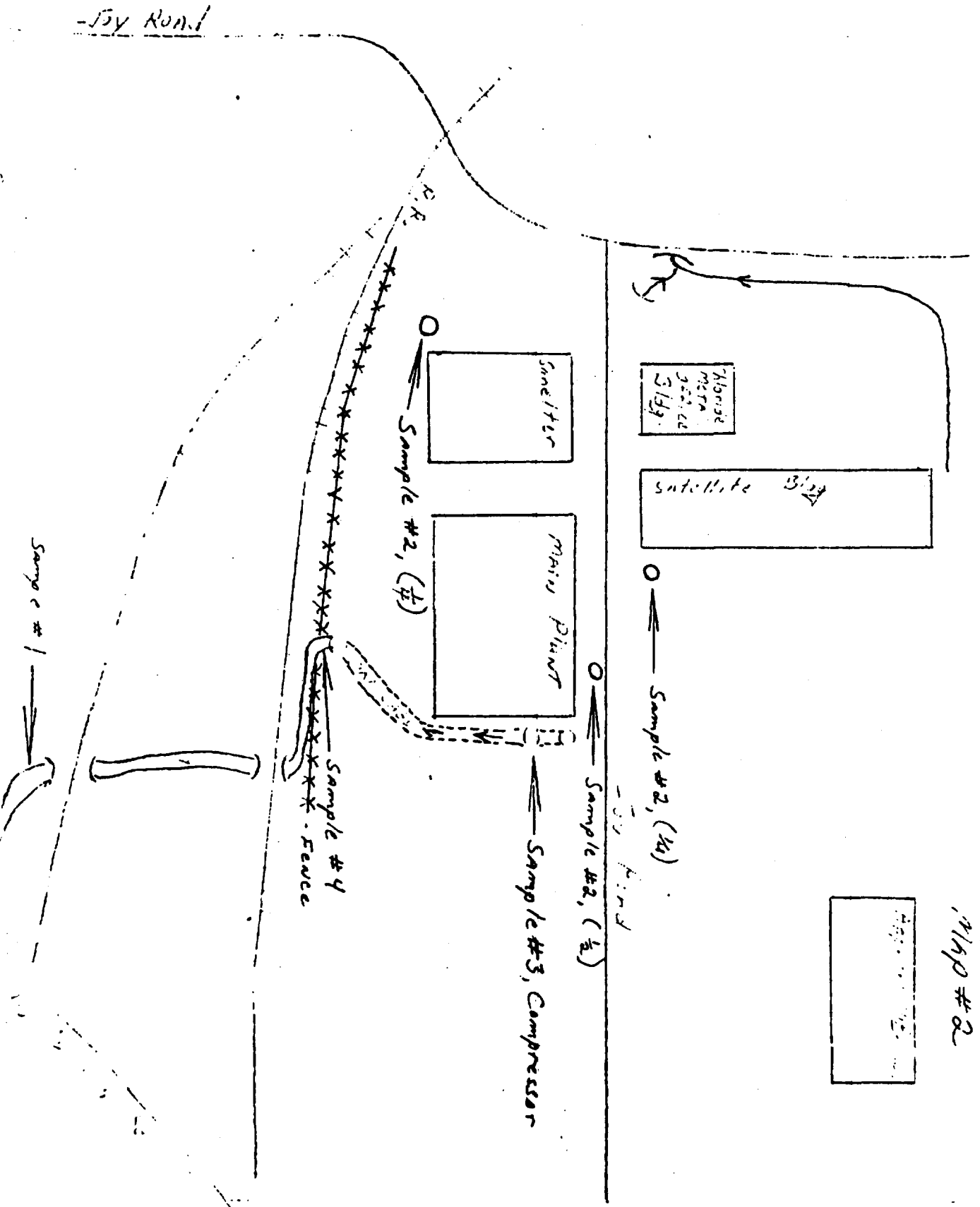
Analyses

Sample	Date/ Time	Cd	Cu	Pb	Ni	Sb	*Refer to Map #1 Sample Location/Comments
Sample #1	5-13-82 12:25pm			6100 ug/l			Stream in front of Chloride Metals office building on Joy Road. (See location map)
Sample #2	5-13-82 12:25pm			155 ug/l			Stream in front of Chloride Metals office building on Joy Road. (See location map)
Sample #3	5-13-82 12:52pm			3950 ug/l			Stream at Cusseta Road
Sample #3 Sediment	5-13-82 12:52pm			102 mg/kg			Stream at Cusseta Road. (81.3% Solids)
Sample #4	5-13-82 1:20 pm			3350 ug/l			Stream just outside of plant property from the Main Plant.
Sample #4 Sediment	5-13-82 1:20 pm			12400 mg/kg			Same as above. (77.3% Solids)

							**Refer to Map #2
Sample #1	6-10-82 3:45 pm	< 50 ug/l	60 ug/l	10,500 ug/l	< 50 ug/l	110 ug/l	Stream at Cusseta Road (Same location as sample #3 collected 5-13-82)
Sample #1 Sediment	6-10-82 3:45pm	< 5 mg/kg	< 5 mg/kg	740 mg/kg	< 5 mg/kg	16 mg/kg	Same as above. (77.4% Solids)
Sample #2	6-10-82 4:00 pm	3,350 ug/l	705 ug/l	32,000 ug/l	225 ug/l	4,000 ug/l	Discharge to sewer system. One-half of sample is from the Main Plant. One-fourth of sample from the Smelter. One-fourth of sample taken from the Satellite Plant
Sample #3 Sediment	6-10-82 4:10 pm	< 5 mg/kg	50 mg/kg	8,300 mg/kg	< 5 mg/kg	195 mg/kg	Compressor at the Main Plant (65.6% Solids)
Sample #4	6-10-82 4:20 pm	< 50 ug/l	< 50 ug/l	32,000 ug/l	< 50 ug/l	140 ug/l	Discharge to stream inside plant property
Sample #4 Sediment	6-10-82 4:20 pm	6.3 mg/kg	25 mg/kg	46,000 mg/kg	< 5 mg/kg	565 mg/kg	Same as above. (71.2% Solids)

Chloride, Inc.
5-13-92 Sample 6.5
Map #1





Alonide Inc.
6-10-82
Map #2

APPENDIX D

APPENDIX D

References

Arora, Ram, 1984. Hydrogeologic Evaluation for Underground Injection Control in the Coastal Plain of Georgia: Georgia Geologic Survey Hydrologic Atlas 10, 41 pp.

Burgess, James V., 1984. Directory of Georgia Municipal Officials: Georgia Municipal Association, Atlanta, Georgia, 9 pp.

Johnson, John H., 1983. Soil Survey of Muscogee County, Georgia: USDA, Soil Conservation Service, 130 pp.

Odom, Ron R., McCollum, Jerry L., Neville, Mary Anne and Ettman, David R., 1977. Georgia's Protected Wildlife: Georgia Department of Natural Resources, Game and Fish Division, 51 pp.

Pine Mountain Soil and Water Conservation District, 1979. Resource Conservation Program and Action Plan: 36 pp.

Sax, Irving N., 1984. Dangerous Properties of Industrial Materials: Van Nostrand Reinhold Co., New York-Cincinnati, 6th Edition, 1,689 pp.

Stokes, W. R. III, Hale, T. W., Pearman, J. L. and Buell, G. R., 1983. Water Resources Data, Georgia, Water Year 1982: U. S. Geologic Survey Water-Data Report GA-82-1, 223 pp.

APPENDIX E

APPENDIX E

EPA		POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION				I. IDENTIFICATION	
		01 STATE GA		02 SITE NUMBER 0991274929			
II. SITE NAME AND LOCATION							
01 SITE NAME (Legal, common, or descriptive name of site) Chloride Automotive Batteries				02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER P. O. Box 2165, Joy Road			
03 CITY Columbus		04 STATE GA	05 ZIP CODE 31902	06 COUNTY Muscogee		07 COUNTY CODE 215	08 CONG DIST 03
09 COORDINATES LATITUDE 32° 26' 12.0"		LONGITUDE 084° 56' 00.0"		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN			
III. INSPECTION INFORMATION							
01 DATE OF INSPECTION 08/24/84 MONTH DAY YEAR		02 SITE STATUS <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> INACTIVE		03 YEARS OF OPERATION early 1960's continuing UNKNOWN BEGINNING YEAR ENDING YEAR			
04 AGENCY PERFORMING INSPECTION (Check all that apply)							
<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR <input checked="" type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR <input type="checkbox"/> G. OTHER							
05 CHIEF INSPECTOR Tom Westbrook		06 TITLE Environmental Specialist		07 ORGANIZATION GA EPD		08 TELEPHONE NO. 404 656-7404	
09 OTHER INSPECTORS		10 TITLE		11 ORGANIZATION		12 TELEPHONE NO.	
						()	
						()	
						()	
						()	
						()	
						()	
13 SITE REPRESENTATIVES INTERVIEWED		14 TITLE		15 ADDRESS		16 TELEPHONE NO.	
Mr. Kenneth Strunk		Plant Man.		P. O. Box 2165		404 656-7404	
		Chloride Metals		Columbus, GA 31902		()	
						()	
Mr. Richard Smith		Plant Man.		P. O. Box 2165		404 656-7404	
		Main & Satellite		Columbus, GA 31902		()	
		Plants				()	
						()	
17 ACCESS OBTAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT		18 TIME OF INSPECTION		19 WEATHER CONDITIONS			
IV. INFORMATION AVAILABLE FROM							
01 CONTACT Mrs. Julia Herring - Personnel Man.		02 OF (Agency/Organization) -Chloride Automotive Batteries		03 TELEPHONE NO. 404 689-0761			
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Steve Walker		05 AGENCY DNR		06 ORGANIZATION EPD-RAU		07 TELEPHONE NO. 656-7404	
						08 DATE 07/30/85 MONTH DAY YEAR	

EPA FORM 2070-13 (7-81)

J. Surawie

[illegible]

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D991274929

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE: 1982-1984) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION
Contamination from all 3 Chloride sites. Lead levels up to 36,000 µg/L have been documented (attached files).

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: 1982-1984) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION
(Acres)
Sediment in runoff stream adjacent to site (see attachments in Appendix C).

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
GA D991274929

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (include name(s) of species)

01 ☐ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
(Spills, Runoff, Standing liquids, Leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☒ ALLEGED
04 NARRATIVE DESCRIPTION

Storm water runoff from all 3 Chloride sites was believed to have been causing elevated levels of lead in water and sediment in a stream adjacent to the sites.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: unknown

IV. COMMENTS

V. SOURCES OF INFORMATION (cite specific references e.g., State files, sample analysis, reports)

GA EPD State files.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
GA 0991274929

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. 10^{-8} - 10^{-6} cm/sec ☒ B. 10^{-4} - 10^{-6} cm/sec ☐ C. 10^{-4} - 10^{-3} cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE
(Less than 10^{-6} cm/sec) ☒ B. RELATIVELY IMPERMEABLE
(10^{-4} - 10^{-6} cm/sec) ☐ C. RELATIVELY PERMEABLE
(10^{-2} - 10^{-4} cm/sec) ☐ D. VERY PERMEABLE
(Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK

about 400 (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

(ft)

05 SOIL pH

4.5-5.5

06 NET PRECIPITATION

4 (in)

07 ONE YEAR 24 HOUR RAINFALL

3.5 (in)

08 SLOPE
SITE SLOPE

2-5 %

DIRECTION OF SITE SLOPE

SW

TERRAIN AVERAGE SLOPE

3 %

09 FLOOD POTENTIAL

SITE IS IN ----- YEAR FLOODPLAIN

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

OTHER

A. >200 (mi)

B. >10 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

<20 (mi)

ENDANGERED SPECIES: red cockaded woodpecker

13 LAND USE IN VICINITY

DISTANCE TO

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS, NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

A. 1/20 (mi)

B. 1/20 (mi)

C. ±20 (mi) D. ±5 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is located in a relatively flat area in Columbus. The topography at and around the site has been altered in the construction of roads, buildings, etc. The general slope of the area is 2% to 5% toward the west.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

USGS 7.5 minute topo map of area (Columbus Quadrangle).



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
GA D991274929

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER	7	EPD lab	attached (App. B&C)
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	5	EPD lab	attached (App. B&C)
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF Remedial Action Unit <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS State files

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

GA EPD State Files.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
CA 0991274929

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY
(Check as applicable)

SURFACE WELL
COMMUNITY A. ☒ B. ☐
NON-COMMUNITY C. ☐ D. ☐

02 STATUS

ENDANGERED AFFECTED MONITORED
A. ☐ B. ☐ C. ☒
D. ☐ E. ☐ F. ☐

03 DISTANCE TO SITE

A. 4 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING
(Other sources available)
COMMERCIAL, INDUSTRIAL, IRRIGATION
(No other water sources available)
☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION
(Limited other sources available)
☒ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER unknown, but small

03 DISTANCE TO NEAREST DRINKING WATER WELL unknown (mi)

04 DEPTH TO GROUNDWATER

about 50 (ft)

05 DIRECTION OF GROUNDWATER FLOW

S-SE

06 DEPTH TO AQUIFER
OF CONCERN

10 (ft)

07 POTENTIAL YIELD
OF AQUIFER

1,000 (gpd)

08 SOLE SOURCE AQUIFER

☐ YES ☒ NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

Not known in area.

10 RECHARGE AREA

☒ YES
☐ NO

COMMENTS

For Cretaceous aquifer
System.

11 DISCHARGE AREA

☐ YES
☒ NO

COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION
DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY
IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:

AFFECTED

DISTANCE TO SITE

Chattahoochee River ☐ 2 (mi)
Bull Creek ☐ 1.5 (mi)
_____ ☐ _____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE

A. 10,000
NO. OF PERSONS

TWO (2) MILES OF SITE

B. 30,000
NO. OF PERSONS

THREE (3) MILES OF SITE

C. 100,000
NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

1/20 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

about 10,000

04 DISTANCE TO NEAREST OFF-SITE BUILDING

1/20 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The site is surrounded by heavily populated urban land.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA 991274929

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				Facility will have NPDES permit by 12/85
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND	(See Fig. 2, App.A)		<input checked="" type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)			(pH adjustment)	

07 COMMENTS

pH adjustment is carried on at the site. Battery acid is neutralized and discharged to the POTW.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)
☐ A. ADEQUATE, SECURE ☒ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Fugitive dusts

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES ☒ NO
02 COMMENTS

VI. SOURCES OF INFORMATION (List all sources used, e.g., MSDS, site analysis reports)

Conversations with Tom Westbrook and GA EPD State Files.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA 0991274929

II. CURRENT OWNER(S)				PARENT COMPANY (if applicable)			
01 NAME Chloride, Inc.		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P. O. Box 488		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY Tampa		06 STATE FL	07 ZIP CODE 33601	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (List most recent first)				IV. REALTY OWNER(S) (if applicable; list most recent first)			
01 NAME Conerex, Inc.		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) Joy Road		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY Columbus		06 STATE GA	07 ZIP CODE 31902	05 CITY		06 STATE	07 ZIP CODE
01 NAME S. E. Graves, Inc.		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) Joy Road		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY Columbus		06 STATE GA	07 ZIP CODE 31902	05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)							
GA EPD State Files							



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

GA D99127A929

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (If applicable)			
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
Chloride Automotive Batteries				Chloride, Inc.			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
P. O. Box 2165				P. O. Box 488			
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
Columbus		GA	31902	Tampa		FL	33601
08 YEARS OF OPERATION		09 NAME OF OWNER					
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)			
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)							
GA EPD State files.							



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

GA D991274929

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ D. SPILLED MATERIAL REMOVED
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ F. WASTE REPACKAGED
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ H. ON SITE BURIAL
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ L. ENCAPSULATION
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ N. CUTOFF WALLS
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION

02 DATE

03 AGENCY



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
6A 0991274929

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D991274929

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ S. CAPPING/COVERING
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ T. BULK TANKAGE REPAIRED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ U. GROUT CURTAIN CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ V. BOTTOM SEALED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ W. GAS CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ X. FIRE CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Y. LEACHATE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Z. AREA EVACUATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 1. ACCESS TO SITE RESTRICTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 2. POPULATION RELOCATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☒ 3. OTHER REMEDIAL ACTIVITIES
04 DESCRIPTION

02 DATE 1982-1984

03 AGENCY Chloride, Inc.

The yard area around all three contiguous Chloride sites has been paved to eliminate soil contamination from de minimus losses of lead dust.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

GA EPD State Files.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

D1 STATE	D2 SITE NUMBER
GA	D991274929

II. ENFORCEMENT INFORMATION

D1 PAST REGULATORY ENFORCEMENT ACTION ☒ YES ☐ NO

D2 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION:

The water branch of the EPD has negotiated corrective actions to be undertaken at the site and at the two adjacent sites owned by Chloride Inc. The corrective actions are detailed in Appendix C. Prior to 1971, wastes generated on site were reportedly taken to the local municipal landfill.

III. SOURCES OF INFORMATION (Case specific references: e.g. state files, sample analysis reports)

GA EPD State Files.

PA - Chloride Auto. Batts. - MAIN PLANT
ID# GAD0991274929

April 19, 1984

Justification - Low Priority Inspection

File review indicates that Chloride Automotive Batteris - MAIN PLANT has had a history of compliance related problems. Many of the environmental concerns occurred prior to 1980 and were centered around site run-off control. The MAIN PLANT and SATELLITE PLANT are similar operations, are in close proximity to each other and are owned/operated by the same parent company. The MAIN PLANT was involved in a downstream contaminated sediment citation from SOLID WASTE and WATER QUALITY branches. This release problem has been addressed by Chloride but confirmation sampling has not occurred to date. Present operations do not generate regulated waste materials. All wastes are treated (on-site) or recycled (off-site). Subsequently, the interim Part "A" has been withdrawn. However, due to the relationship with the SATELLITE PLANT and Chloride Metals I recommend a priority of Low for inspection.

RECEIVED
MAY 18 1984
OK 5/18/84
CBW

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
		01 STATE GA	02 SITE NUMBER D991274929
II. SITE NAME AND LOCATION			
01 SITE NAME (Legal, common, or descriptive name of site) Chloride Automotive Batts. - Main Plant		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Joy Road (South)	
03 CITY Columbus	04 STATE GA	05 ZIP CODE 31903	06 COUNTY Muscogee
07 COUNTY CODE 106		08 CONG DIST 03	
09 COORDINATES LATITUDE 32° 26' 12.0"		LONGITUDE 084° 56' 00.0"	
10 DIRECTIONS TO SITE (Starting from nearest public road) From the intersection of I-185 and St. Marys Road east of Columbus, GA. Proceed West on St. Marys to first intersection and turn left (south). Continue south on this road to right-hand bend, turn and take first left and continue to Joy Road. Turn right and			
III. RESPONSIBLE PARTIES proceed to plant. (See attached map).			
01 OWNER (if known) Chloride, Inc.		02 STREET (Business, mailing, residential) P.O. Box 1124	
03 CITY Tampa	04 STATE FL	05 ZIP CODE 33601	06 TELEPHONE NUMBER (813) 248-3161
07 OPERATOR (if known and different from owner) Chloride Auto. Batteries Main Plant		08 STREET (Business, mailing, residential) Joy Road (South) P.O. Box 3483	
09 CITY Columbus	10 STATE GA	11 ZIP CODE 31903	12 TELEPHONE NUMBER (404) 689-0761
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input checked="" type="checkbox"/> F. OTHER: <u>Corporate</u> (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <u>8 / 8 / 80</u> MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____ / ____ / ____ MONTH DAY YEAR <input type="checkbox"/> C. NONE			
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>3 / 20 / 83</u> MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)	
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION <u>1971</u> BEGINNING YEAR <u>Continuing</u> ENDING YEAR <input type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Sulfuric Acid and neutralized sulfuric acids. Lead oxide (Potential).			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Low - During filling spills of sulfuric acid are collected, neutralized and discharged into POTW. Lead battery scrap sent to recycler (Chloride Metals).			
V. PRIORITY ASSESSMENT			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
VI. INFORMATION AVAILABLE FROM			
01 CONTACT Grady E. Curl		02 OF (Agency/Organization) Chloride, Inc.	
04 PERSON RESPONSIBLE FOR ASSESSMENT Thomas M. Westbrook TMW		05 AGENCY DNR	06 ORGANIZATION E.P.D.
07 TELEPHONE NUMBER (404) 656-7404		08 DATE <u>03 / 06 / 84</u> MONTH DAY YEAR	



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D991274929

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: _____
(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

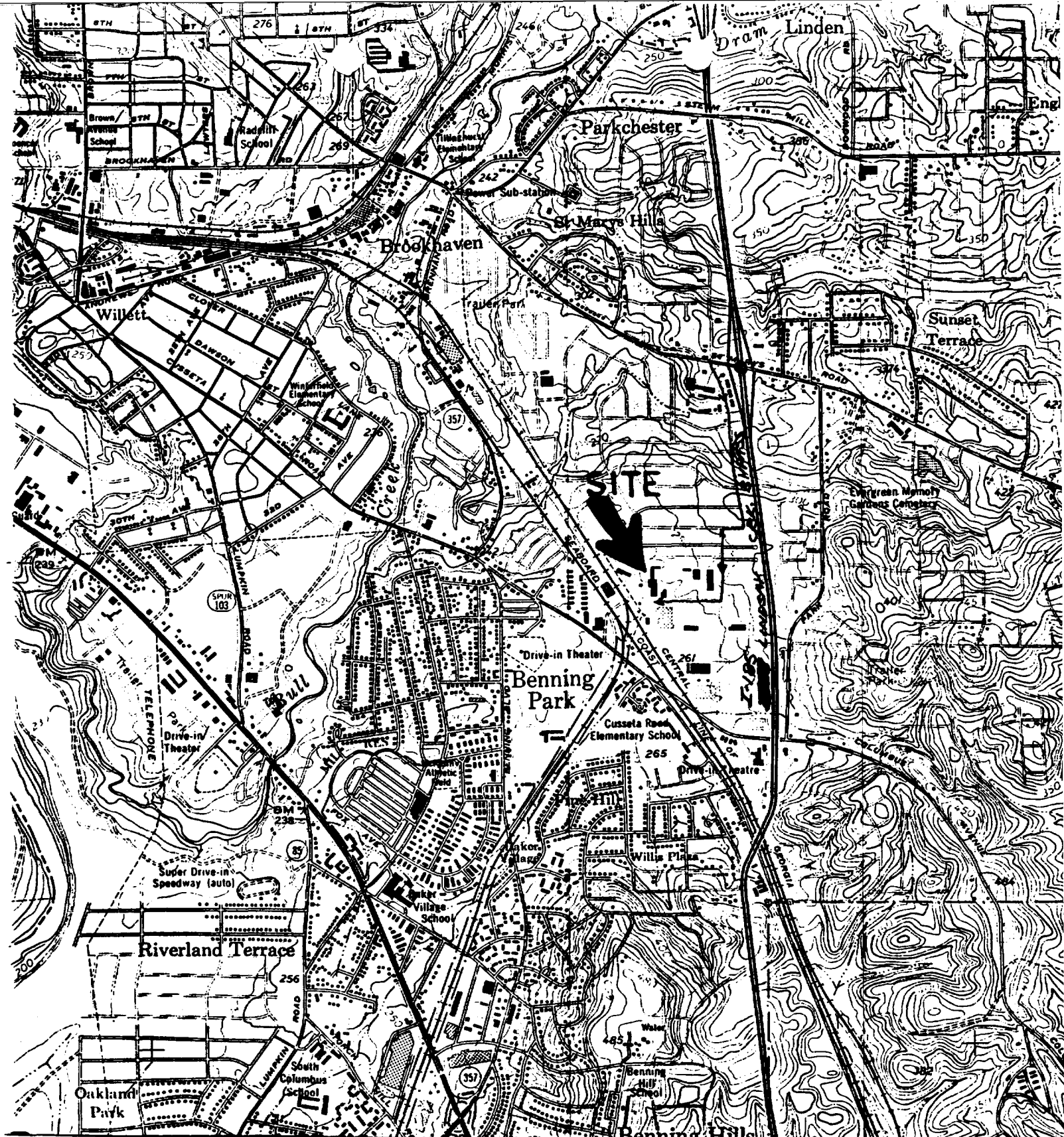
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



SCALE

1000 0 1000 2000 3000

1 5 0

MILE

FEET

KILOMETER

arterial

acres

QUAD. NAME: COLUMBUS GA. - ALA.

SERIES: 7 1/2 MIN.

YEAR: 1955 P.R. '68 & '73

MAIN PLANT CHLORIDE

DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
WASTE MANAGEMENT DATA SHEET

GAD991274929
RECEIVED

JAN 29 1984

REMEDIAL ACTIONS UNIT

NAME AND LOCATION OF FACILITY

Chloride Automotive Batteries - Main Plant
Joy Road
Columbus, GA 31903

PERSON TO CONTACT

(ENTER THE NAME, ADDRESS, TITLE AND BUSINESS TELEPHONE NUMBER OF
THE PERSON TO CONTACT REGARDING INFORMATION SUBMITTED ON THIS FORM).

Grady E. Curl, Manufacturing Engineer
P. O. Box 1124
Tampa, FL 33601
813/248-3161

DATES OF WASTE HANDLING

(ENTER THE YEARS THAT YOU ESTIMATE WASTE TREATMENT, STORAGE OR DISPOSAL
BEGAN AND ENDED AT THE SITE. IF YOU SELECTED A FACILITY OFF-SITE PLEASE
NOTE AND EXPLAIN IN "COMMENTS" SECTION.

Battery manufacturing and waste treatment started at this facility
in 1976. The facility is still in operation.

GENERAL TYPE OF WASTE

- | | |
|---------------------|------------------------------|
| 1- () ORGANICS | 7- () BASES |
| 2- () INORGANICS | 8- () PCB's |
| 3- () SOLVENTS | 9- () MIXED MUNICIPAL WASTE |
| 4- () PESTICIDES | 10- () UNKNOWN |
| 5- () HEAVY METALS | 11- () OTHER (SPECIFY) |
| 6- (X) ACIDS | |

WASTE QUANTITY (ESTIMATED)

750,000 gallons/year

HAS THERE EVER BEEN A SPILL OR DISCHARGE OF A HAZARDOUS SUBSTANCE FROM YOUR
FACILITY? (BRIEFLY EXPLAIN THE NATURE OF THE RELEASE).

No

COMMENTS

(IF THERE IS ANY COMMENTS THAT YOU BELIEVE WOULD CLARIFY THE PAST WASTE HANDLING PRACTICES OF YOUR FACILITY OR OF FACILITIES YOU SELECTED TO HANDLE YOUR WASTE, PLEASE ELABORATE IN THE SPACE PROVIDED).

The only hazardous waste generated at this facility is sulfuric acid
collected from battery filling and battery formation operations.
This acid is neutralized and discharged into a POTW.

SIGNATURE AND TITLE Grady E. Curl 813/248-3161
NAME TELEPHONE

P. O. Box 1124
STREET

Tampa, FL 33601
CITY STATE ZIP CODE


SIGNATURE DATE